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THREE-DIMENSIONAL OPTICAL MEMORY10 **WITH FLUORESCENT PHOTOSENSITIVE MATERIALS****Abstract**

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Invention relates to a WORM type (write-once-read-many) three-dimensional optical memory made by fluorescent photosensitive materials. The optical memory is based on one-photon and two-photon processes for writing and reading the digital information. Since for reading the
20 fluorescence is used a high reading sensibility is obtained. The invention has the advantage of a novel device for storage and retrieval of the information having application in computers.

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